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(54) **Method of forming crystalline silicon carbide coatings at low temperatures**

(57) A method of forming crystalline silicon carbide films is disclosed. The method comprises a chemical vapor deposition process in which a substrate is heated to

a temperature above 600°C. in the presence of a silicon containing cyclobutane gas.

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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 5931

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	CHEMISTRY OF MATERIALS, vol. 4, no. 1, 1 January 1992 pages 22-24, XP 000267888 LARKIN D J ET AL 'CHEMICAL VAPOR DEPOSITION OF SILICON CARBIDE FROM 1,3-DISILACYCLOBUTANE' * the whole document *	1-10	C30B25/02 C30B29/36
Y	JOURNAL OF CRYSTAL GROWTH, vol. 128, no. 1/04, 1 March 1993 pages 369-374, XP 000400563 HIRABAYASHI Y ET AL 'EPITAXIAL GROWTH OF CUBIC SIC BY HOT FILAMENT CVD' * the whole document *	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C30B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 February 1996	Examiner Flink, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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